

GALUSHKINA, Nina Andreyevna; SAZONOVA, Irina Danilovna; POGOSTIN, S.Z.,  
retsensent; KHINKIS, L.A., retsensent; FUKS, V.K., red.; SOKOLOVA,  
I.A., tekhn.red.

[Specifications for work standards in the oils and fats industry]  
Tekhnicheskoe normirovanie truda v masloshirovoi promyshlennosti.  
Moskva, Pishchepremizdat, 1960. 138 p. (MIRA 13:5)  
(Oil industries)

GENIN, Samuil Adol'fovich, kand.tekhn.nauk; SPIRIDONOV, D.I., inzh.  
tekhnolog, spetsred.; PUKS, V.K., red.; KISINA, Ye.I., tekhn.red.

[Technology of potato, vegetable, and fruit drying] Tekhnolo-  
giia sushki kartofelia, ovoshchei i plodov. Moskva, Pishche-  
promizdat, 1960. 146 p. (MIRA 13:12)

(Potatoes--Drying) (Vegetables--Drying)  
(Fruit--Drying)

KONDO, I.N.; KATAR'YAN, T.G., kand.kiol.nauk, red.; FUKS, V.K., red.;  
SOKOLOVA, I.A., tekhn.red.

[Viticulture; winter hardiness of grapes in Central Asia]  
Vinogradarstvo; zimostoikost' vinograda v usloviakh Srednei  
Azii. Moskva, Pishchepromizdat, 1960. 255 p. (Yalta.  
Vsesoiuznyi nauchno-issledovatel'skii institut vinodeliia i  
vinogradarstva "Magarach." Trudy, vol.10) (MIRA 14:7)

1. Direktor Vsesoyuznogo nauchno-issledovatel'skogo instituta  
vinodeliya i vinogradarstva "Magarach". (for Katar'yan).  
(Soviet Central Asia--Viticulture)  
(Soviet Central Asia--Plants--Frost resistance)

NAMESTNIKOV, Aleksandr Fedorovich; IZOTOV, A.K., inzh., tekhnolog,  
retsenzent; FUKS, V.K., red.; SATAROVA, A.M., tekhn. red.

[Preserved fruits and vegetables; innovation in assortment and  
technology] Plodoovoshchnye konservy; novoe v assortimente i  
tekhnologii. Moskva, Pishchepromizdat, 1961. 141 p.

(MIRA 15:6)

(Canning and preserving)

LEONOV, Il'ya Timofeyevich; NAMESTNIKOV, A.F., kand. tekhn. nauk,  
spetsred.; KHMEL'NITSKAYA, A.Z., red.; FUKS, V.K., red.;  
SATAROVA, A.M., tekhn. red.

[Automatic lines for the production of tomato paste; adjust-  
ment and operation regulations] Avtomatizirovannye linii dlia  
proizvodstva tomatnoi pasty; naladka i pravila ekspluatatsii.  
Moskva, Pishchepromizdat, 1962. 91 p. (MIRA 15:11)  
(Assembly-line methods) (Tomato products)

ZELIKMAN, Isaak Fedorovich; DEMCHINSKIY, Fedor Antonovich; P'YANKOV,  
A.G., retsenzents; GUSEV, Ye.A., retsenzents; FUKS, V.K., red.;  
ZARSHCHIKOVA, L.N., tekhn. red.

[Manufacture of lump sugar] Proizvodstvo pressovannogo sakhara-  
rafinada. 2., perer. i dop. izd. Moskva, Pishchepromizdat,  
1962. 367 p. (MIRA 15:12)

(Sugar manufacture)

KOCHETOVA, L.T.; MOLCHANOVA, O.P., prof., retsenzent; NAMESTNIKOV,  
A.F., kand.tekhn.nauk; FUKS, V.K., red.; SATAROVA, A.M.,  
tekhn. red.

[Production of canned food for children]Proizvodstvo konser-  
vov dlia detskogo pitaniia. Moskva, Pishchepromizdat, 1962.  
104 p. (MIRA 16:2)

(Canning industry)

TKACH, Aleksandr Grigor'yevich; FUKS, V.K., red.; SOKOLOVA, I.A.,  
tekhn. red.

[Brief manual for workers engaged in the tobacco industry]  
Kratkii spravochnik tabachnika. Moskva, Pishchepromizdat,  
1963. 112 p. (MIRA 16:3)  
(Tobacco industry)



TKACH, Aleksandr Grigor'yevich; KOPYLOV, V.I., inzh., retsenzent;  
KOMAROV, V.S., inzh., spets. red.; FUKS, V.K., red.;  
SOKOLOVA, I.A., tekhn. red.

[Concise manual for the tobacco worker] Kratkii spravochnik  
tabachnika. Moskva, Pishchepromizdat, 1963. 112 p.  
(MIRA 16:6)

(Tobacco industry)

DONSKOV, Vasil'iy Yefimovich, prof.; ZUYEVA, Raisa Vasil'yevna, kand. ekon. nauk; KRUIZHKOVA, Raisa Vasil'yevna, kand. ekon. nauk; MESHKOV, Yuriy Konstantinovich, kand. ekon. nauk; PONOMAREVA, Irina Andreyevna, kand. ekon. nauk; KHINKIS, Lev Akimovich, st. преподаvatel'; SHAMIN, Andrey Nikolayevich, st. преподаvatel'; KAMENITSER, S.Ye., doktor ekon. nauk, prof., retsenzent; SHVARTS, V.M., inzh.-ekon., retsenzent; FUKS, V.K., red.; PECHENKINA, O.P., tekhn. red.

[Production organization and planning in food industry enterprises] Organizatsiya i planirovaniye proizvodstva na predpriyatiyakh pishchevoi promyshlennosti. [By] V.E.Donskov i dr. Moskva, Pishchepromizdat, 1963. 454 p. (MIRA 17:2)

KLEMENCHUK, Aleksey Petrovich; POFOV, Petr Konstantinovich; FUKS,  
V.K., red.; FEDOROVSKIY, A.Ye., inzh.-ekonomist, spets. red.

[Food industry of the R.S.F.S.R.] Pishchevaia promyshlen-  
nost' RSFSR. Moskva, Pishchevaia promyshlennost', 1964.  
155 p. (MIRA 17:12)

KUROCHITSKIY, Cheslav Kazimirovich; SHIFUNOVA, Ninel' Semenovna;  
SHAMBORANT, G.G., retsenzents; FUKS, V.K., red.

[Hydrocyclones in the starch and molasses industry] Gidro-  
tsiklony v krakhmale patochnoi promyshlennosti. Moskva, Pi-  
shchevaia promyshlennost', 1964. 84 p. (MIRA 18:3)

PROKOF'YEV, Vasilii Platonovich; SUPONITSKIY, M.Ya., dots., kand.  
med. nauk, retsenzent; STREMLINA, S.M., retsenzent; MEDOKS,  
T.S., retsenzent; VUL'FOVICH, V.O., spets. red.; RAUBE, P.V.,  
inzh., spets. red.; FUMS, V.K., red.

[Industrial sanitation in food industry enterprises] Proiz-  
vodstvennaia sanitariia na predpriatiakh pishchevoi pro-  
myshlennosti. Moskva, Pishchevaia promyshlennost', 1964.  
295 p. (MIRA 18:3)

MESHKOV, Yuriy Konstantinovich; MARKHEL', P.S., kand. tekhn. nauk, retsenzent; KALITA, N.Ya., kand. ekon. nauk, retsenzent; FUKS, V.K., red.

[Establishment of technical work norms in enterprises of the food industry] Tekhnicheskoe normirovanie truda na predpriatiakh pishchevoi promyshlennosti. Moskva, Pishchevaia promyshlennost', 1964. 235 p. (MIRA 18:3)

ROMASHKINA, Aleksandra Fedorovna; DONSKOV, V.Ye.; prof.,  
retsperzent; FELONOVSKIY, A.Ye.; ekonomist, retsperzent,  
PONOMAREVA, I.A.; kand. ekon. nauk; spets. red.; FUKS,  
V.K., red.

[Potentialities for an increase in labor productivity in  
the confectionary industry] Rezervy rosta proizvoditel'  
nosti truda v konditerskoi promyshlennosti. Moskva, Pi-  
shevaia promyshlennost', 1962. 210 p. (MIRA 18:10)

AVDEYEVA, Aleksandra Vasil'yevna; OSTROVSKIY, A.I., prof.;  
KRASIL'SHCHIKOV, A.I., doktor khim. nauk; FUKS, V.K.,  
red.

[Corrosion in food production and measures for its prevention] Korroziia v pishchevykh proizvodstvakh i sposoby zashchity. Moskva, Pishchevaia promyshlennost', 1965.  
242 p. (BIRA 18:9)



FUKS, V.L.; MEZHLUMOV, A.A.

Measuring and controlling stresses on electrodrill clamps during drilling. Izv. vys. ucheb. zav.; neft' i gaz 3 no.10:99-104 '60.  
(MIRA 14:4)

1. NIPI, Neftekhimavtomat, Azerbaydzhanskiy politekhnicheskiy institut.

(Oil well drilling, Electric)  
(Strains and stresses)

KENGELINSKIY, Yu.S.; FUKS, V.L.

Automatic control of the feed of the bit in turbodrilling.  
Neft. khoz. 38 no.7:33-38 J1 '60. (MIRA 14:10)  
(Turbodrills)  
(Automatic control)

FUKS, V.L.

Dual purpose device for measuring stresses in electric-drill engine clamps and well-bottom temperature. Mash. i نفت. obor. no.5:12-16 '63. (MIRA 17:8)

1. Nauchno-issledovatel'skiy i proyektnyy institut po kompleksnoy avtomatizatsii proizvodstvennykh protsessov v neftyanoy i khimicheskoy promyshlennosti.

AUTHOR: Fuks, V. R. 50-58-5-15/20

TITLE: On the Problem of the Periodic Variability of the Sea Water Temperature (K voprosu o prichinakh periodicheskoy izmenchivosti temperatury vody v more)

PERIODICAL: Meteorologiya i Gidrologiya, 1958, Nr 5, pp 59-61 (USSR)

ABSTRACT: The interest of oceanologists in the periodic change of the oceanographic characteristics and in the problem connected with it how far the deep-sea researches are representative recently more and more increased. This is caused by the inadequacy of the current method of recording with regard to the demands made on oceanographic research. In spite of a full recognition of the topicality of the problem broached by N. K. Khanaychenko (Ref 1) and its final conclusions the author criticizes the problem mentioned in the title which was by his opinion incorrectly dealt with in reference 1. 1) The periodic heat advection by tidal currents can only be of importance in straits where the velocities of these currents are high enough and when the horizontal temperature gradients are high, predominantly in districts with a reversive nature of the tide-currents. But in open oceans the periodic variability of temperature is mainly

Card 1/2

On the Problem of the Periodic Variability of the Sea Water Temperature 50-58-5-15/20

caused by the rising and sinking of water particles during the tidal variations. This statement is illustrated by an example (Figures 1,2). The problem is also incorrectly dealt with in Ref 1 that considerable variations in the form of internal waves can only be excited in well stratified waters, whereas in less stratified waters the displacement of water masses represents the cause of short-period variations. In reality it is just in a weakly stratified medium (surface of the sea in the winter-spring period) that the largest amplitudes of inner waves are observed (figure 3). Much remains to be determined within the framework of tidal currents. There are 4 figures, and 3 references, 1 of which is Soviet.

1. Sea water--Temperature
2. Ocean currents--Performance
3. Tides--Temperature factors

Card 2/2

FUKS, V.R.

Possibility of recording internal waves by the use of neutral-  
buoyancy floats. Uch.zap.LGU no.309:97-106 '61. (MIRA 15:3)  
(Waves)

S/169/62/000/008/058/090  
E202/E192

AUTHOR: Fuks, V.R.

TITLE: Internal tidal waves in multi-layer sea (numerical solution of the problem)

PERIODICAL: Referativnyy zhurnal, Geofizika, no.8, 1962, 15, abstract 8 V 89. (Uch. zap. LGU, no.309, 1961, 92-96).

TEXT: A method of calculating characteristic internal tidal waves from the known amplitudes ( $A$ ) and phase angles ( $\varphi$ ) (for the surface of the sea) and the equivalent field of densities, is given. For the starting point serve the equations of motion for the internal layer and the equations of continuity. The increments in the boundary surfaces of the layers over the height registers of the rest value for each layer are the functions of  $A$ ,  $\varphi$  and  $\sigma$  (angular velocity of the wave), determined from the method of G.V. Polukarov for any point of the surface according to the given boundary values on the shores. The thickness of the layers is taken as constant for the sake of simplicity. Assuming that at the bottom  $\xi = 0$  and using the Card 1/2

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Internal tidal waves in multi- ... S/169/62/000/008/058/090  
E202/E192

expression for  $\xi$  on the surface, a system of differential equations is obtained in finite differences, which are used to determine  $A$  and  $\phi$  of the tidal wave for any layer. The system is solved using the method of consecutive approximations (with the help of an electronic computer). For the cross-section along the leading profile of the tidal wave the system of equations is considerably simplified. The results obtained fully confirm the accepted premises about the propagation of the tidal wave.

[Abstractor's note: Complete translation.]

Card 2/2



FUKS, V.R.; BOGDANOV, K.T.

Causes of variation in the characteristics of tidal currents  
with depth. Okeanologiya 5 no.1:63-72 '65. (MIRA 18:4)

1. Institut okeanologii AN SSSR.

AL'TSHULER, V.M., kand. geogr. nauk; ANTROPOVA, L.V., st. inzh.;  
BUKHTEYEV, V.G., st. inzh.; VOLODINA, Z.G., ml. nauchn.  
sotr.; RZHONSNITSKIY, V.B., kand. geogr. nauk; SELITSKAYA,  
Ye.S., kand. geogr. nauk; ~~FUKS, V.R.~~, kand. geogr. nauk;  
BREKHOVSKIY, Yu.P., red.; TIMONOV, V.V., red.

[Study of tidal phenomena in a heterogeneous sea] Issledovanie prilivnykh iavlenii v neodnorodnom more. Leningrad, Gidrometeoizdat, 1965. 183 p. (MIRA 18:8)

1. Leningradskoye otdeleniye Gosudarstvennogo okeanograficheskogo instituta (for Al'tshuler). 2. Murmanskoye upravleniye gidrometeorologicheskoy sluzhby (for Antropova). 3. Leningradskiy gidrometeorologicheskiy institut (for Bukhteyev). 4. Gosudarstvennyy okeanograficheskiy institut (for Volodina, Selitskaya). 5. Leningradskiy gosudarstvennyy universitet imeni A.A.Zhdanova (for Rzhonsnitskiy, Fuks).

BRONGHTBYN, Mikhailina Petrovna; GNUCHEVA, Vera Vladimirovna; FUKS, Ye.A.,  
redaktor; ROZEN, E.A., tekhnicheskiiy redaktor

[Bibliography of literature on the vatural sciences; a textbook for  
students of library schools] Bibliografiia estestvennonauctnoi litera-  
tury; uchebnoe posobie dlia studentov biblioteknykh institutov.  
Moskva, Gos. izd-vo kul'turno-prosvetit. lit-ry, 1956. 182 p.  
(Bibliography--Science) (MLRA 10:3)

BRUNSHTEYN, B.A.; GORENBURG, V.P.; KLIMENKO, V.L.; FUKS, Ye.Sh.;  
TSYRKIN, Ye.B.

Optimalizing the production of automobile gasoline in a petroleum  
refinery. Neftoper. i neftekhim. no.12:3-7 '63. (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh  
protssesov.

KLIMENKO, V.L.; FUKS, Ye.Sh.; TSYRKIN, Ye.B.

Optimization of oxo-synthesis. Nefteper. i neftekhim. no.6:28-33  
'64. (NIRA 17:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhim -  
cheskikh protsessov.

ORESHKIN, V.D.; KRASNOV, A.N.; REPKIN, V.D.; POKOLOV, V.M.; FUKS, Yu.B.

Time length of holding large castings in the mold. Trudy Khim.-  
met.inst.Sib.otd.AN SSSR no.14:139-145 '60. (MIRA 14:10)  
(Founding)

ORESHKIN, V.D.; KRASNOV, A.N.; REPKIN, V.D.; SOKOLOV, V.M.; FUKS, Yu.B.

Forced cooling of large castings. Trudy Khim.-met.inst.Sib.otd.AN SSSR  
no.14:147-151 '60. (MIRA 14:10)  
(Founding) (Thermal stresses)

FUKS, Yu.P., aspirant

Shaking conveyor drives. Nauch. trudy Mosk. inst. radioelek.  
i gor. elektromekh. no. 49 pt. 2:146-154 ' 64  
(MIRA 19:1)



FUKS, Z.

USSR/Electronics - Television

Card 1/1

Author : Fuks, Z.

Title : Counter interference filters

Periodical : Radio, 3, 36-38, Mar, 1954

Abstract : Television receptions are quite often distorted. In order to improve them specially designed filters should be used. Photographs of such filters and their circuit diagrams with corresponding frequency characteristics are included. A diagram for determining the number of turns of the filter coil for a given induction is also given. Interferences can also be reduced by using a two or three-element antenna. A three-element antenna is illustrated.

Institution : .....

Submitted : .....

9(3)

SOV/107-59-4-28/45

AUTHOR: Fuks, Z.

TITLE: TV Reception Interference and Methods for its  
Suppression ( Pomekhi televizionnomu priyemu i  
metody ikh podavleniya

PERIODICAL: Radio, 1959, Nr 4, pp 34 - 38 (USSR)

ABSTRACT: The author reviews noise sources causing interference with TV reception and recommends different types of filters for suppressing these noises. The parasitic radiation of short-wave transmitters, cross modulation and combination modulation are the most frequent reasons for interference with TV reception. Short-wave transmitters usually do not work at frequencies exceeding 15-20 mc and therefore the author suggests using filters which suppress the higher frequencies. He presents formulas and circuit

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SOV/107-59-4-28/45

TV Reception Interference and Methods for its Suppression

schematics for transmitter filters. In addition he recommends installing filters at the TV sets for suppressing those noises which have frequencies within the pass bandwidth of the TV sets. The data of such filter elements are shown by 6 tables. There are 2 graphs, 1 diagram, 2 schematics, 6 tables and 1 Soviet reference.

Card 2/2

FuKs. Z.

YUGO.

A synthesis of (+)-3-aminobutyric acid from L-alanine.  
 2. Fuks. *Acta Pharm. Jugoslav.* 3, 36-41 (1963) (English).  
 The optically active  $H_2NCH(Me)CH_2CO_2H$  was prepd. by the Arndt-Eistert synthesis. N-Phthaloyl-L-alanine was converted into the acid chloride, which was treated with  $CH_3N_3$ ; the resulting diazo ketone with  $Ag_2O$  in MeOH gave Me (+)-3-phthalimidobutyrate, which was saponified with  $NaOH$ , and the  $Na$  salt passed through a column of Amberlite IR-4B, giving the free acid in 33% over-all yield.

V. Mihajlov

17

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FUKS, Zeljko, Major m-r ph.

Scientific research in military pharmacy. Voj. san. pregl.,  
Beogr. 12 no.7-8:431-434 July-Aug 55.

(MEDICINE, MILITARY AND NAVAL,  
in Yugosl., pharmaceutical research, organiz. plan (Ser))  
(RESEARCH  
pharmaceutical in Yugosl. Army, planning project (Ser))

FUKS, Zeljko, Major mr. ph.

Determination of active substances in chinaspiphen-C V8Z pills.  
Voj. san. pregl. Beogr. 13 no.11-12:610-611 Nov-Dec 56.

(QUININE, determ.

quinine-acetophenetidin-acetylsalicylic acid-vitamin C  
prep., chem. analysis (Ser))

(ACETOPHENETIDIN, determ.

same)

(ACETYSALICYLIC ACID, determ.

same)

(VITAMIN C, determ.

same)

FUKS, Z. S.

"Coloring Cotton Yarn," Moskva, Gizlegprom, 1952



RUDENSKAYA, B.Ya. [translator]; FUKS, I.V. [translator]; PETERBURGSKIY,  
A.V., red.

[Hunger signs in crops; a symposium] Piznaki golodaniia  
rastenii; sbornik statei. Moskva, Izd-vo inostr.lit-ry, 1957.  
229 p. (MIRA 14:2)

1. American Society of Agronomy.  
(Deficiency diseases in plants)

BZHOZOVSKIY, V.S. [Brzozowski, W.]; DUL, I.; FUKSIYEVICH, Ye. [Fukeljewicz, J.].  
MIKOSH, M. [Mikosz, M.]; VANG, R. [Wang, R.]

Experimental open-cycle magne'tohydrodynamic generator. Teplofiz.  
vys. temp. 2 no.5:771-779 S-O '64. (MIRA 17:11)

1. Institut yadernykh issledovaniy, Pol'sha.

FUKSMAI, A.L.

Structural characteristics of functions, in which  
 $E_n(f; -1, 1) \leq O(n^{-(k+\delta)})$ . Usp. mat. nauk 20 no.4:187-190  
Jl-Ag '65.

(MIRA 18:8)

ACC NR: AR6023241

SOURCE CODE: UR/0044/66/000/003/B104/B104

AUTHOR: Fuksman, A. L.

TITLE: Selection of coordinate functions for approximate solution of uniform  
boundary problems with variational methods

SOURCE: Ref. zh. Matematika, Abs. 3B549

REF SOURCE: Sb. Vopr. vychisl. matem. i vychisl. tekhn. Rostov-na-Donu, Rostovsk.  
un-t, 1965, 3-7

TOPIC TAGS: boundary value problem, variational method, approximate solution

ABSTRACT: The author gives a method for forming coordinate functions used for  
approximate solution of uniform boundary problems with variational methods. The  
method can be used for any type of boundary conditions. [Translation of abstract]  
T, Volzhenskaya

SUB CODE: 12

Card 1/1

UDC: 518:517.91/.94

FUKS-RABINOVICH, D. I.

O neprostote lokal'no-svobodnoy gruppy. Matem. SB., 7 (49), (1940), 327-328.

SO: Mathematics in the USSR, 1917-1947.  
edited by Jurosh, A. G.,  
Markushevich, A. L.,  
Rashevskiy, P. K.  
Moscow-Leningrad, 1948

FUKS-RABINOVICH, D. I.

O gruppakh avtomorfizmov svobodnykh proizvedeniy, I. Matem. SB., 8 (50), (1940),  
265-276.

SO: Mathematics in the USSR, 1917-1947  
edited by Jurosh, A. G.,  
Markushevich, A. L.  
Rashevskiy, P. K.  
Moscow-Leningrad, 1948

FUKS-RABINOVICH, E. I.

Ob odnom predstavlenii svobodnoy gruppy. 1., Uchen, zap, un-ta, ser, ser, Matem.  
10 (1940), 154-157.

SO: Mathematics in the USSR, 1917-1947.  
edited by Jurosh, A. G.,  
Markushevich, A. L.,  
Rashevskiy, P. K.  
Moscow-Leningrad, 1948

FUKS-RABINOVICH, D. I.

"Concerning a Group with Numerous Productions and Relationships, which do not Concede any Isomorphic-Description Through Matrices of Ultimate Arrangement," Dok. AN, 27, No. 5, 1940.

"An Example of a Discrete Group With A Final Quantity of Products and Relations Which Permits No Complete System of Linear Representation," Dok. AN, 29, No. 8-9, 1940.



FUKS-RABINOVICH, D. I.

O gruppakh avtomorfizmov svobodnykh prázvedeniy, 11 Matem. SB., 9 (51), (1941),  
183-220.

SO: Mathematics in the USSR, 1917-1947.  
edited by Jurosh, A. G.,  
Markushevich, A. L.  
Rashevskiy, P. K.  
Moscow-Leningrad, 1948

MONAKHOV, V.M.; FUKS-RABINOVICH, M.S.

Numerical forecasting of vertical currents for some days in advance on the basis of baroclinic linear three-level model of the atmosphere. Trudy TSIP no.126:20-27 '63. (MIRA 16:11)

PUKIS-RABINOVICH, M...

Results of numerical experiments by the method of dynamic  
analysis. Trudy MMTS no.4:17-26 '64 (MIRA 18:2)

Dynamic analysis in a baroclinic atmosphere. Ibid.3:27-38

FUKS-RABINOVICH, M.S.

Improving the quality of the analysis of the geopotential field over regions poorly covered by the initial information. Meteor. i gidrol. no.5:28-35 My '64. (MIRA 17:6)

1. Vychislitel'nyy meteorologicheskii tsentr.

FUKS-RABINOVICH, M.S.

Accuracy of dynamic analysis for a baroclinic model of the  
atmosphere. Trudy MMTS no.7:61-71 '65. (MIRA 18:7)

SITNIKOV, I.O.; FUKS-PABINOVICH, N.S.

Filling in deficient information in the geopotential field for  
the vast regions with little light in the northern hemisphere.  
Trudy MITS no.10:75-86 '65. (MIL. 19:1)

L 43065-66 EWT(1) GW

ACC NR:

AT6014301

(N)

SOURCE CODE: UR/3118/65/000/010/0075/0086

AUTHORS: Sitnikov, I. G.; Fuks-Rabinovich, M. S.

ORG: none

20  
B+1

TITLE: Filling in missing information in the geopotential area for vast, poorly covered regions of the northern hemisphere

SOURCE: Mirovoy meteorologicheskii tsentr. Trudy, no. 10, 1965. Ob'yektivnyy analiz i obrabotka meteorologicheskikh dannyykh (Objective analysis and processing of meteorological data, 75-86

TOPIC TAGS: weather forecasting, synoptic meteorology, meteorologic observation, atmospheric wind field, weather map

ABSTRACT: Results of numerical experiments in the method of dynamic analysis are offered, correlating prognostic with diagnostic areas, thus improving the weather prognosis especially in the poorly covered regions with sparse networks of meteorological observatories. This work is an expansion of one published earlier by I. G. Sitnikov (Rezultaty operativnogo ispytaniya skhemy chislennogo prognoza geopotentsiala na srednem urovne troposfery. Tr. MMTs, vyp. 3, 1964). The method of dynamic analysis and its application were described by M. S. Fuks-Rabinovich (Rezultaty chislennykh eksperimentov po metodu dinamicheskogo analiza. Tr. MMTs,

Card 1/2

L 43065-66

ACC NR: AT6014301

vyp. 4, 1964). It consists mainly of: 1) determination of the absolute wind field from the prognostic data inside a poorly covered area; 2) introducing the actual data for the same period in the same area; 3) solving Poisson's equation. Using this method, maps AT<sub>500</sub> for the area covering the North Atlantic Ocean and a portion of North America and Greenland have been drawn. Comparison of the actual (from synoptic analysis), prognostic, and statistically corrected AT<sub>500</sub> maps is given.

Calculations for processing of the area correlation method for a portion of Eurasia were performed by I. A. Tararina. Orig. art. has: 4 tables, 6 figures, and 2 equations.

SUB CODE: 04/ SUBM DATE: none/ ORIG REF: 008/ OTH REF: 003

Card 2/2 hs



L 61193-65

ACCESSION NR: AP5015521

UR/0286/65/000/008/0057/0057  
535.8

AUTHOR: Fuka-Rabinovich, S. I.; Lifshits, I. Ye.; Vasil'yev, B. I.; Roslavtsev, A. V.; Urmakher, L. S.; Krol', D. S.

TITLE: Device for investigating fundus oculi in infrared light. Class 42, No. 170182

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 8, 1965, 57

TOPIC TAGS: eyeball, fundus oculi, infrared light

ABSTRACT. A device for investigating the fundus oculi in infrared light consists of an illuminating part which contains the light source, a condenser, and a system of prisms or mirrors to alter the path of the light rays (see Fig. 1 of the Enclosure). An ophthalmoscopic lens is used to separate the path of the incident light from the path of the reflected light. To investigate the fundus oculi, an infrared filter, which cuts down the visible spectrum to 760 nm, is introduced into the illuminating system. The viewing system contains an electron-optical converter to produce a visible image of the fundus oculi and an eyepiece to observe this image. Orig. art. has: 1 figure. [TS]

Card 1/3

L 61493-65

ACCESSION NR: AP5015521

ASSOCIATION: none

SUBMITTED: 21Nov61

NC REF SOV: 000

ENCL: 01

OTHER: 000

SUB CODE: LS, OP

ATD PRESS: 4052

Card 2/3

L 61493-65

ACCESSION NR: AF5015521

ENCLOSURE: 01

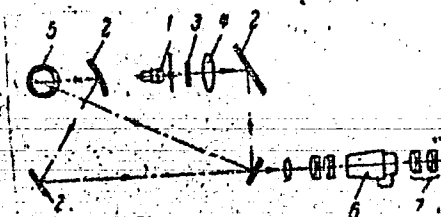


Fig. 1. Device for investigating fundus oculi

- 1 - Light source; 2 - mirrors;
- 3 - infrared filter; 4 - condenser;
- 5 - the eye; 6 - electron-optical converter; 7 - eyepiece.

Card 3/3

FUKS-ROMANOVA, G. Yu

3(4)

PHASE I BOOK EXPLOITATION

SOV/2076

Knyazev, Vladimir Sergeyevich, Galina Yur'yevna Fuks-Romanova, and  
Duniya Alikperovna Agalarova

Materialy po petrografii i mikropaleontologii produktivnoy tolshchi  
Azerbaydzhana (Materials on the Petrography and Micropaleontology  
of the Azerbaijan Productive Series) Moscow, Izd-vo AN SSSR,  
1958. 102 p. (Series: Akademiya nauk SSSR. Sovet po izucheniyu  
proizvoditel'nykh sil. Azerbaydzhanskaya neftyanaya ekspeditsiya.  
Trudy, vyp. 3) (Series: Akademiya nauk Azerbaydzhanskoy SSR)  
Errata slip inserted. 1,300 copies printed.

Ed. of Publishing House: G.I. Nosov; Tech. Ed.: Yu. V. Rylyina;  
Editorial Board of Series: A.V. Topchiyev, Academician (Chair-  
man); S.I. Mironov, Academician; L.V. Pustovalov, Corresponding  
Member, USSR Academy of Sciences; (Resp. Ed.), M.M. Aliyev, Active  
Member, Azerbaydzhan SSR Academy of Sciences; G.A. Akhmedov; M.I.  
Varentsov, Corresponding Member, USSR Academy of Sciences; Ye.Ya.  
Dmitriyev (Deputy Resp. Ed.); A.A. Il'in; M.F. Mirchink, Corre-  
sponding Member, USSR Academy of Sciences; D.L. Mozeson; and A.V.

Card 1/4

Materials on the Petrography (Cont.)

SOV/2076

Fomin.

PURPOSE: This volume is for petrologists, geologists, and persons interested or engaged in petroleum surveying.

COVERAGE: The volume is third in a series of publications under the general title "Studies of the Azerbaijan Petroleum Expedition." It gives the results of petrographic investigations of brecciated quartz deposits, and also paleontological data based on studies of the microfauna in this region. Granulometric studies of the rocks of the region are included. There are 61 references: 41 Soviet, 14 English, 2 French, and 4 German. No personalities are mentioned.

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Knyazev, V.S. Results of Studies of the Characteristics of Brecciated Quartz (in Samples From the Productive Series of Azerbaijan and Other Deposits)

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5

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Card 2/4

SOV/2076

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Materials on the Petrography (Cont.)

SOV/2076

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71

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73

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92

Agalarova, D.A. Paleontological Conclusions Based on Studies of  
the Microfauna of the Productive Series of the Southeastern  
Caucasus

95

Card 4/4

TM/bg  
8-17-59

FUKSA, J.

TEC BIOLOGY

PERIODICAL: CHEMICKY PRUMISL, VOL. 8, no. 12, Dec. 1958

Fuksa, J. Second International Conference of the Peaceful Uses of Atomic Energy in Geneva. p. 643.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 5.  
May 1959, Unclass.



PUKSA, J.

Use of radiosotopes in Czechoslovakia.

P. 95, (Jaderna Energie) Vol. 3, no. 3, Mar. 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, .No. 11 November 1957

FUKSA Josef

CZECHOSLOVAKIA/Nuclear Physics - Installations and Instruments.  
Methods of Measurement and Research

C-2

Abs Jour : Ref Zhur - Fizika, No 3, 1958, No 5355

Author : Kuba Josef, Fuksa Josef

Inst : Not Given

Title : Instruments for Work with Radioactive Isotopes

Orig Pub : Jaderna energie, 1957, 3, No 7, 220

Abstract : No abstract

Card : 1/1

Card : 1/1

10

FUKSA J

CZECHOSLOVAKIA/Nuclear Physics - General

C-1

Abs Jour : Ref Zhur - Fizika, No 9, 1958, No 19710

Author : Fuksa J.

Inst : ~~Not Given~~

Title : Problems of Radioactive Radiation Discussed at the Fifth  
General Government Congress on Labor Hygiene in Gottwaldovo  
(Czechoslovakia).

Orig Pub : Jaderne energio, 1958, 4, No 1, 27-28

Abstract : No abstract

Card : 1/1

FUKSA, J.

"A Conference on nuclear technology."

JADERNA ENERGIE. Praha, Czechoslovakia. Vol. 5, no. 3, Mar. 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 3, No. 6, Jun 59, Unclass

FUKSA, J.

Session of the Board of Governors of International Atomic Energy  
Agency. Jaderna energie 6 no.4143 Ap '60.

KUBA,Josef; FUKSA,Josef

Apparatus for work with radioisotopes. Jaderna energie  
3 no.7:220 J1 '57

FUKSA, J.

National Conference of the Communist Party of Czechoslovakia  
and the development of nuclear technology. Jaderna energie  
6 no.8:253 Ag '60.

FUKSA, Josef

International conference on use of radioisotopes in scientific research  
in Paris. Jaderna energie 3 no.10:309-310 0 '57.



FUKSA, J.

The 28th October, the day of nationalization. Jaderna energie  
6 no.10:326 0 '60.

FUKSA, Josef, inz.

Development of the use of radioisotopes in Czechoslovakia. Jaderna energie 3 no.3:95-96 Mr '57.

KUBA, Josef, RNDr.; FUKSA, Josef, inz.

Apparatus for work with radioisotopes. Jaderna energie 3 no.6:192  
Je '57.

FUKSA, J.

Problems of radioactive radiation at the 5th National  
Convention on Industrial Medicine in Gottwaldov.  
Jaderna energie 4 no.1:27-28 Ja '58.

PETROSJANC, A. [Petrosyants, A.]; FUKSA, J. [translator]

Atomic energy in the service of the national economy in the Soviet Union. Jaderna energie 9 no.2:60-63 F '63.

1. Predseda Statniho vyboru Rady Ministru SSSR pro vyuziti atomove energie (for Petrosjanc).

FUKSA, J.

Progress of nuclear engineering in 1962. Jaderna energie 9  
no.10:332-335 0 '63.

FUKSA, J.

Experimental reactor with active ring core in Rossendorf.  
Jaderna energie 10 no.1:24-28 Ja'64.

FUKSA, J., inz.

"Atomic energy and the chemical industry" by P.S.Savitskiy  
[Savitskiy, P.S.]. Reviewed by J. Fuksa. Jadrna energie  
10 no.11:416-418 N '64.



I 40681-65 EWT(m) Feb DIAAP

ACCESSION NR: AP5011978

CZ/0038/64/000/012/0447/0449

AUTHOR: Fuksa, Josef (Prague)

TITLE: Radioisotopic instruments at the international exhibit in Brno, 1964.

SOURCE: <sup>Vol. 10</sup> Jaderna energie, no. 12, 1964, 447-449

TOPIC TAGS: radioisotope, ion chamber, nuclear physics apparatus /9

Abstract: A brief description of several individual pieces of radio-isotope equipment is given, including three ionization chambers for gamma measurement, two ionization chambers for beta measurements, one compensating ionization chamber, collimating covers for gamma and beta sources, and an amplifier for an ionization chamber. More complete descriptions are given of: type RH radioisotope apparatus for automatic indication and regulation of the position of liquids or loose solids; type MPV for measuring the density of different materials in the range 150 to 1250 g/cm<sup>3</sup>; type MPVO for measuring thickness; type MH for measuring liquid level; type MTG for measuring thickness; and an apparatus for measuring the ash content of coal. A list is given of organic compounds containing <sup>14</sup>C, <sup>3</sup>H, and <sup>35</sup>S exhibited. Descriptions of several radioisotope sources: <sup>226</sup>Ra needles and tubes, <sup>90</sup>Sr sources, <sup>226</sup>Ra and <sup>147</sup>Pm for luminescent pigments; and Ra-Be neutron sources. Orig. art. has 1 figure and 3 tables.

Card 1/2

L 40681-55

ACCESSION NR: AP5011978

ASSOCIATION: Statni komise pro rozvoj a koordinaci vedy a techniky, Prague  
(State Commission on Development and Coordination of Technical Information)

SUBMITTED: 00

ENCL: 00

SUB CL'E: NP

NO REF SOV: 000

OTHER: 000

NA

Card 2/2 - JV

FUKSA, J., inz.

Material basis of communism. Jaderna energie 7 no.11:365 N '61.

L 32182-66 EWT(1) SCTB DD

ACC NR: AP6010431

SOURCE CODE: UR/0020/66/167/002/0440/0443

AUTHOR: Moshkov, B. S.; Fukshanskiy, L. Ya.; Yuzefovich, G. I.

58

ORG: Scientific Research Institute of Agrophysics (Agrofizicheskiy nauchno-issledovatel'skiy institut)

TITLE: The construction of a mathematical model of a "biological clock"

SOURCE: AN SSSR. Doklady, v. 167, no. 2, 1966, 440-443

TOPIC TAGS: mathematic model, biology, ~~math~~ physiology, plant physiology, analog computer, computer application

ABSTRACT: Diurnal variations in the intensity of physiological processes have been established in all biological organisms having a more complex structure than bacteria. It is customary to assume that these variations ("physiological clocks" or "biological clocks") are developed in the process of evolution by a property which ensures the coordination of the time dependence of the various physiological processes among themselves and with the course of the periodic variations in the environmental conditions. An analysis of the properties of the "clocks" shows that their mechanism could be unified (with some variations) for all groups of living organisms, from plants to man. The present article proposes a mathematical model of a biological clock with analogs in live tissue. The model proposed, termed the first approximation model, has been investigated both analytically and on an electronic analog computer. It is shown that, pro-

Card 1/2

UDC 577.3

L 32182-66

ACC NR: AP6010431

O

vided certain conditions are satisfied, the model simulates all the basic properties of the biological clocks of higher plants. On the basis of the modeling considerations, the authors propose a series of experiments and predict their outcome. It is noted that the principle used may be employed to construct a mathematical model of biological clocks for animals. The proposed constructions may be used for a photoperiodism model. Orig. art. has: 5 formulas.  
[08]

SUB CODE: 06,12 / SUBM DATE: 24Nov64 / ORIG REF: 003/ ATD PRESS: 5121

L5

Card 2/2

ACC NR: AP6031125

SOURCE CODE: UR/0217/66/011/002/0374/0377

AUTHOR: Fukshanskiy, L. Ya.

ORG: Agrophysical Scientific Research Institute, Leningrad (Agrofizicheskiy nauchno-issledovatel'skiy institut)

TITLE: Model of controlling photic stimulation which can be realized in living tissue

SOURCE: Biofizika, v. 11, no. 2, 1966, 374-377

TOPIC TAGS: light biologic effect, tissue physiology, photosynthesis, plant metabolism

ABSTRACT: The processes associated with the absorption of light can be arbitrarily divided into two groups for biological objects:

1) the absorption of light associated with the accumulation of energy necessary for vital activity (photosynthesis) and 2) the absorption of light assuring the regulation of various metabolic process and the coordination of the course of these processes with the course of changes in the surrounding environment (photoperiodism, circadian rhythm). The author calls the processes associated with the absorption of light and classified under the second group "controlling photic stimulations". The article suggests a model of controlling photic stimulation which can be realized in living tissue in the form of a layer of pigment disintegrating under the action of incident radiation. The author thanks Professor B. S. Moshkov and V. P. Kozlov for the attention given his work and for their discussion of the results. Orig. art. has: 3 figures and 5 formulas.

[JPRS: 36,932]

SUB CODE: 06 / SUBM DATE: 25Oct64 / ORIG REF: 006 / OTH REF: 003

Card 1/1 hs

UDC: 577.37

0918 2355

VATSFEL'D, V.; FUKSHANSKIY, M.; SHTER, B.

Organizing crews for transportation of earth on dump trucks. Avt.  
transp. 36 no.8:33-35 Ag '58. (MIRA 11:9)

1. Glavmosavtotrans.

(Dump trucks) (Earthwork)

L 13631-65 EWT(1)/EWP(m)/EWG(k)/EPA(sp)-2/ENG(v)/EPR/EPA(w)-2/T-2 Pd-4/Pe-5/  
Pi-4/Pz-5/Pab-10/Pr-4 IJP(c)/AEDC(a)/APLR/ASD(d)/SSD/SSD(b)/AEDC(b)/AFMDC/  
ASD(f)-2/ESD/ASD(p)-3/AS(mp)-2/AFTC(p) AT/WW

ACCESSION NR: APL047383

(P) S/0294/64/002/005/0771/0779

AUTHORS: Bzhogovskiy, V. S.; Dul, I.; Fukei,ovich, Ye.; Mikosh, M.; Vang, R.

TITLE: Experimental open-cycle MHD-generator

SOURCE: Teplofizika vysokikh temperatur, v. 2, no. 5, 1964, 771-779

TOPIC TAGS: MHD generator, combustion chamber, heat transfer, combustion chamber wall temperature, regenerative circuit, magnet coil

ABSTRACT: An open-cycle MHD-generator was designed in 1963 for a power output of 1 megawatt. The schematic of the generator is given in the Enclosures. The generator has two combustion chambers: a 100-300 kw capacity and a 1000 kw capacity. The first uses oxygen, nitrogen, or air and kerosene fuel with the incoming air preheated to 1500C. The interior of the chamber is made of refrax material wound with water-carrying copper tubes for cooling. The maximum wall temperature permitted is 1700C. To enhance ionization, potassium is used as seed material in the form of alcohol solution of KOH. Fuel consumption ranges between 12-25 kg/hr. Only a brief description is given of the 1000 kw capacity combustion chamber which was operated for 100 hours at half-capacity. The power system also contains a regenerator for heating air up to 1100C, using the hot exhaust (2000C)

Cord 1/4



L 13631-65

ACCESSION NR: AP4047383

from the MHD-generator. To improve the heat transfer process in the regenerator, special turbulence and circulation flows are induced. The electromagnet has a  $1.9 \text{ weber/m}^2$  induction with a maximum air-gap of 132 mm. The winding of the electromagnet consists of copper tubes, 12 mm external diameter and 4.5 mm internal diameter. Distilled water is used to cool the magnet. Various materials were tested for use as generator walls. These include:  $\text{SiO} + 50\% \text{Al}_2\text{O}_3$ ; zirconium-magnesium bricks; refrax, etc. The heat flow through the walls was gauged at 14 to 71 volt/cm<sup>2</sup>. Three types of materials were used as electrodes: graphite, zirconium-oxide, and metallic borides. The MHD-generator itself consists of a nozzle, a channel with segmented electrodes, and a diffuser. The transverse electrodes are of the Faraday type, the internal diameter of the channel is 25 mm (square), and it consists of thick magnesite tubes. Orig. art. has: 9 figures.

ASSOCIATION: Institut yaderrykh issledovaniy, Pol'sha (Institute of Nuclear Research, Poland)

SUBMITTED: 06May64

ENCL: 02

SUB CODE: EC, ME

NO REF SOV: 000

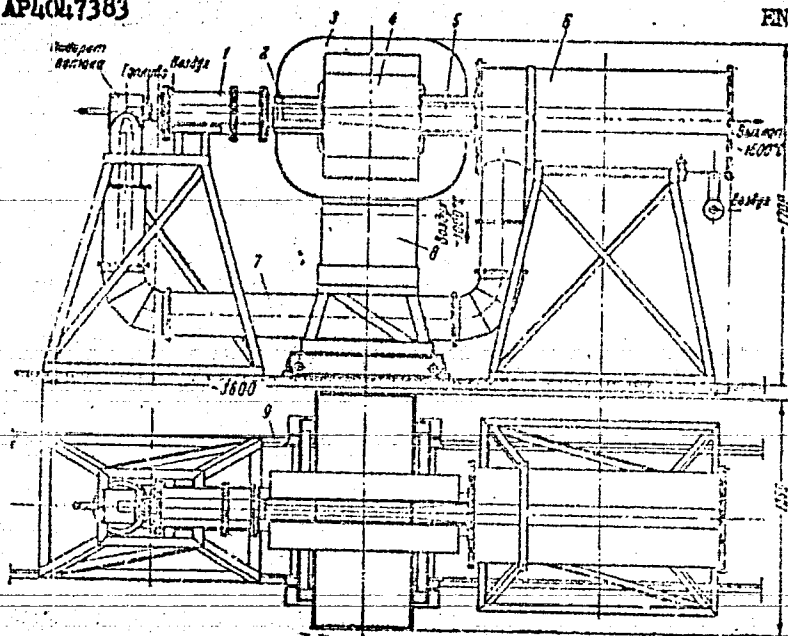
OTHER: 004

Card 2/4

L 13631-65

ACCESSION NR: AP4047383

ENCLOSURE: 01



Card 3/4

to card 4/4

I. 13631-65

ACCESSION NR: AP4047383

ENCLOSURE: 02

to card 3/4

Fig. 1. Schematic of open-cycle MHD-generator.

1- combustion chamber; 2- nozzle; 3- electromagnet winding;  
4- generator; 5- diffuser, 6- heat exchanger; 7- hot air conduit;  
8- electromagnet; 9- regulator.

Card 4/4

88211

S/020/60/134/002/036/041XX  
C 111/ C 333

16.3500

AUTHOR: Fuksman, A. L.

TITLE: Approximation of Functions Under Homogeneous Boundary Conditions

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 134, No. 2, pp. 289-291

TEXT: In  $\bar{D}$ , where  $D$  is an  $m$ -dimensional domain with the boundary  $\Gamma$ , let the function  $u$  possess continuous partial derivatives up to a certain order. Let

$$(1) \quad u = \frac{\partial u}{\partial n} = \dots = \frac{\partial^{s-1} u}{\partial n^{s-1}} \Big|_{\Gamma} = 0.$$

The author considers the approximation of such functions by expressions  $\varphi(x_1, \dots, x_m) P_n(x_1, \dots, x_m)$ , where  $P_n$  is a polynomial of at most  $n$ -th degree in each of the variables  $x_i$ , and  $\varphi$  is a fixed function satisfying (1). The author gives the velocity of approximation of  $u$  and of its derivatives for  $n \rightarrow \infty$  in dependence on the smoothness of  $u$ . The problem has been formerly treated in (Ref.1,2) in the case of a sufficiently smooth  $\Gamma$  and  $s = 1, s = 2$ . For an arbitrary  $s$  the author obtains the same estimations as in

Card 1/2

88211

S/020/60/134/002/036/041XX  
C 111/ C 333

Approximation of Functions Under Homogeneous Boundary Conditions  
(Ref.1,2), if  $\Gamma$  consists of sufficiently smooth pieces.

There are 3 Soviet references.

[Abstracter's note: (Ref.1) is a paper of J. Yu. Kharrik in  
Matematicheskiiy sbornik, 1955, 37, 353; (Ref.2) is a paper of  
J. Yu. Kharrik in Matematicheskiiy sbornik, 1959, 47, 177].

ASSOCIATION: Rostovskiy-na-Donu gosudarstvennyy universitet  
(Rostov-na-Donu State University)

PRESENTED: April 27, 1960, by V. J. Smirnov, Academician

SUBMITTED: April 21, 1960

Card 2/2

FUKSMAN, A.L.

Approximation of functions of several variables with conservation  
of conditions on the boundary. Dokl. AN SSSR 141 no.5:1050-1053  
D '61. (MIRA 14:12)

1. Rostovskiy-na-Donu gosudarstvennyy universitet. Predstavleno  
akademikom V.I. Smirnovym.  
(Functions of several variables)

FUKSMAN, A.L.

Local properties of certain approximation operators. Dokl. AN SSSR  
142 no.3:556-559 Ja '62. (MIRA 15:1)

1. Rostovskiy-na-Donu gosudarstvennyy universitet. Predstavleno  
akademikom V.I.Smirnovym.  
(Operators (Mathematics))

FUKSMAN, A.L.

Continuation of functions with conservation of their differential  
properties. Sib. mat. zhur. 5 no.6:1370-1381 N-D '64.

(MIRA 17:12)



BABAYEV, E.A., inzh.; FUKSMAN, A.Yu., inzh.; LYSENKO, Ye.F., inzh.

Step-by-step method for lasting shoes. Kozh.-obuv.prom. 2 no.9:  
25-29 S '60. (MIRA 13:10)

(Shoe manufacture)

FUKSMAN, I. G. and NOTKINA, M. G.

"Some Characteristics of Epidemic and Clinical Chronic Dysentery,"  
Tezisy Dokladov 9-y Nauchnoy Sessii Kishinevskogo Gosudarstvennogo Meditsinskogo  
Instituta, Kishinev, 1952, p 53.

GEL'MAN, V.Ye.; FUKSMAN, I.Ya.

New method of controlling the calcination of bone charcoal  
Sakh. prom. 32 no.11:31-32 N '58. (MIRA 11:12)

1. Tsentral'noye konstruktorskoye byuro Kiyevskogo sovnarkhoza (for  
Gel'man). 2. Zhulyanskiy kostekal'nyy zavod (for Fuksman).  
(Animal charcoal)

1. FUKSMAN, L. S., Eng.
2. USSR (600)
4. Excavation
7. Experience with the work of independently financed excavation team under M. V. Udod. Biul. stroi. tekhn. 10, No. 7, 1953.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.